



# **Second Quarter 2005 Groundwater Monitoring Report**

**Fernbridge Market  
Fernbridge, California  
Case No. 12345**

Prepared for:

**Lindsay Investments**



**Consulting Engineers & Geologists, Inc.**

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**812 W. Wabash  
Eureka, CA 95501-2138  
707-441-8855**

**August 2005  
098076**



CONSULTING ENGINEERS & GEOLOGISTS, INC.

812 W. Wabash • Eureka, CA 95501-2138 • 707-441-8855 • Fax 707-441-8877 • info@shn-eureka.com

Reference: 098076

August 2, 2005

Mr. Bob Stone  
Humboldt County Division of Environmental Health  
100 H Street, Suite 100  
Eureka, CA 95501

**Subject: Second Quarter 2005 Groundwater Monitoring Report, Fernbridge Market,  
Fernbridge, California; Case No. 12345**

Dear Mr. Stone:

SHN Consulting Engineers & Geologists, Inc. (SHN) is submitting this second quarter 2005 groundwater monitoring report for the Fernbridge Market, located at 623 Fernbridge Drive in Fernbridge, California. SHN performed the quarterly groundwater monitoring and sampling at the site on June 2, 2005, as requested by the Humboldt County Division of Environmental Health.

If you have any questions, please call me at (707) 441-8855.

Sincerely,

**SHN Consulting Engineers & Geologists, Inc.**

A handwritten signature in black ink that reads 'Patrick Barsanti'. The signature is written in a cursive, flowing style.

Patrick Barsanti  
Project Manager

PNB/EJN:lms

Enclosure: Report  
copy w/encl: Lindsay Investments

Reference: 098076

# Second Quarter 2005 Groundwater Monitoring Report

Fernbridge Market  
Fernbridge, California  
Case No. 12345

Prepared for:

**Lindsay Investments**

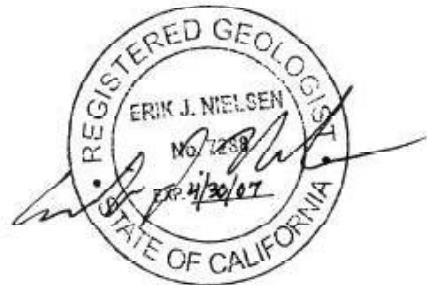
Prepared by:



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August 2005

QA/QC:PNB



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## Abbreviations and Acronyms

<	Denotes a value that is “less than” the method detection limit.
mV	millivolts
ppm	parts per million
ug/L	micrograms per Liter

BTEX	Benzene, Toluene, Ethylbenzene, and total Xylenes
DCO <sub>2</sub>	Dissolved Carbon Dioxide
DO	Dissolved Oxygen
EC	Electrical Conductivity
EPA	U.S. Environmental Protection Agency
HCDEH	Humboldt County Division of Environmental Health
MSL	Mean Sea Level
MTBE	Methyl Tertiary-Butyl Ether
MW-#	Monitoring Well Number
ORP	Oxidation-Reduction Potential
SHN	SHN Consulting Engineers & Geologists, Inc.
TPHG	Total Petroleum Hydrocarbons as Gasoline
UST	Underground Storage Tank

## 1.0 Introduction

This report presents the activities and results of the second quarter 2005 quarterly groundwater monitoring conducted at the Fernbridge Market site, located at 623 Fernbridge Drive in the community of Fernbridge, California (Figure 1). On June 2, 2005, SHN Consulting Engineers & Geologists, Inc. (SHN) performed the quarterly groundwater monitoring and sampling, as requested by the Humboldt County Division of Environmental Health (HCDEH). SHN is submitting this quarterly groundwater monitoring report on behalf of Lindsay Investments.

### 1.1 Background

The Fernbridge Market site formerly contained two 650-gallon Underground Storage Tanks (USTs) used for the storage of gasoline (Figure 2). The former USTs and associated dispenser pump were used for fueling vehicles (retail sales). When Lindsay Investments purchased the site, the dispenser pump had been removed, but the USTs remained in place. The ages of the former USTs are not known. The piping located between the USTs and the dispenser pump was buried underground, and the dispenser was located within 15 feet of the former USTs.

On March 13, 1996, the USTs were removed and visible evidence of petroleum contamination was observed in the soil. Based upon observations by the HCDEH and the subsequent laboratory test results, an unauthorized release report was filed. On March 4, 1999, SHN conducted an initial soil and groundwater investigation adjacent to and hydraulically downgradient of the former USTs. Petroleum hydrocarbons were identified in soil and groundwater at the site. Based upon the investigation results, the HCDEH requested that a soil and groundwater investigation be conducted to assess site conditions downgradient of the former USTs.

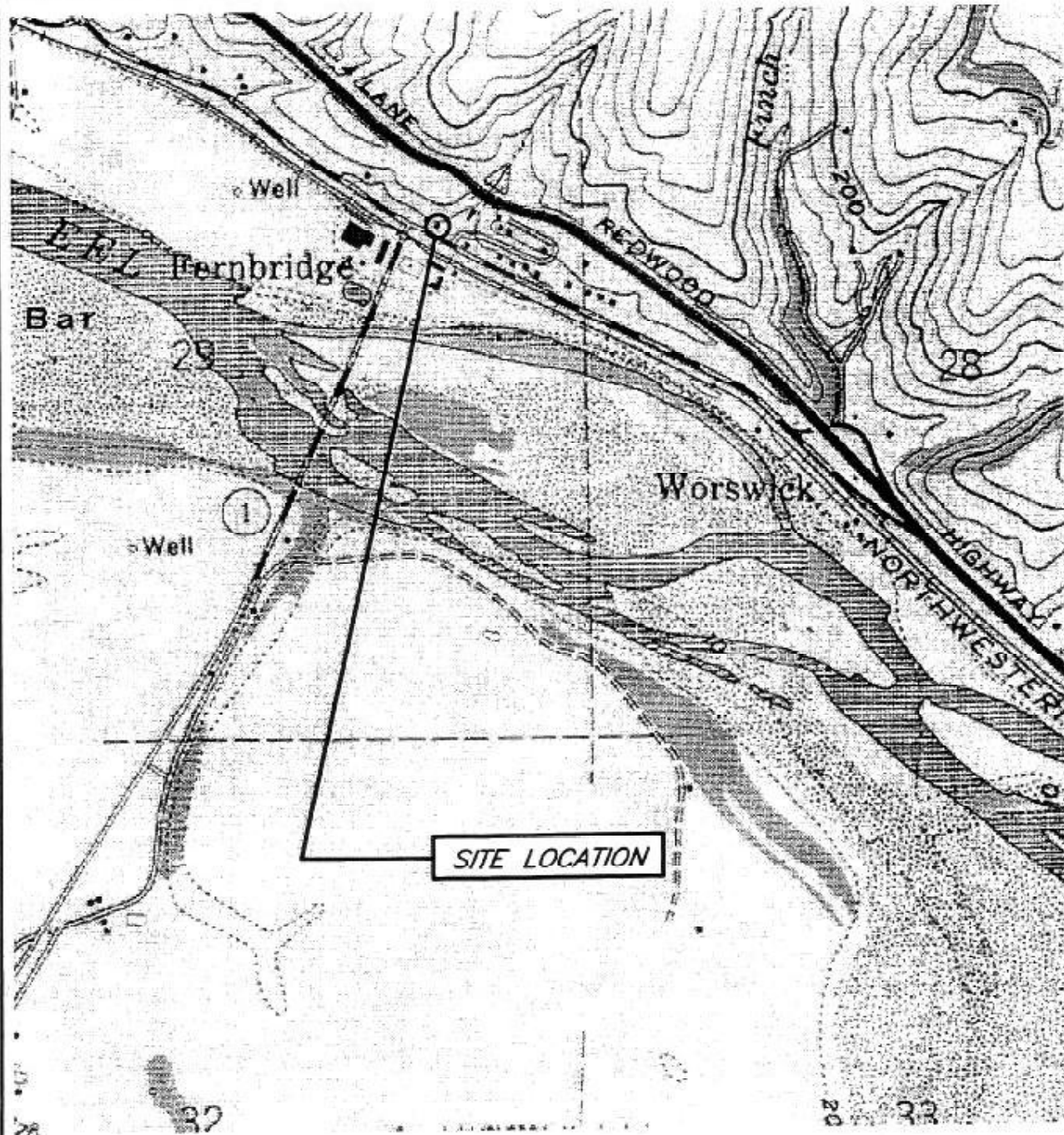
On May 16, 2000, SHN directed the installation of four groundwater monitoring wells at the Fernbridge Market site (MW-1 through MW-4, Figure 2). SHN has performed quarterly groundwater monitoring at the site since June 6, 2000. Subsequent soil and groundwater investigations have since been conducted at the site in September 2001 and April 2002.

A remedial action was completed at the site in December 2004 to remove contaminant-impacted material. Approximately 621 tons of petroleum hydrocarbon-impacted soil was removed from the site based on the presence of soil contamination identified from previous site investigations (SHN, March 2005).

Two site monitoring wells located within the planned excavation area were properly abandoned by overdrilling, prior to commencement of excavation activities in October 2004 (MW-1 and MW-4, Figure 2). Monitoring well MW-5 was installed at the site in the backfilled portion of the excavation area on February 9, 2005, to replace the abandoned wells.

### 1.2 Objective

The objective of this groundwater monitoring program is to assess current groundwater conditions beneath the site, and to evaluate the effectiveness of the mitigation efforts completed to date.



SOURCE: FORTUNA  
USGS 7.5 MINUTE  
QUADRANGLE

**SH**  
Consulting Engineers  
& Geologists, Inc.

FERNBRIDGE MARKET  
UST INVESTIGATION  
FERNBRIDGE, CALIFORNIA

FEBRUARY 2003

098076-LOCATION

SITE LOCATION MAP  
SHN 098076

FIGURE 1





## 1.3 Scope of Work

This scope of work is intended to meet the objective of this investigation. As part of the investigation, all three groundwater monitoring wells at the site were measured for depth to water and sampled for field parameters and laboratory analysis. All work was conducted in accordance with the approved monitoring plan and site safety plan established for this site. Field notes for second quarter 2005 site activities are included in Appendix A.

## 2.0 Field Activities

### 2.1 Monitoring Well Sampling

As part of the monitoring program, monitoring wells MW-2, MW-3, and MW-5 were purged and sampled (Figure 2). Prior to purging, each monitoring well was measured for depth to water, and checked for the presence of floating product (none was observed). Electrical Conductivity (EC), pH, and temperature were monitored periodically during purging activities using portable instrumentation. All wells were also measured for Dissolved Oxygen (DO), Oxidation-Reduction Potential (ORP), and Dissolved Carbon Dioxide (DCO<sub>2</sub>).

A groundwater sample was then collected from each well utilizing a disposable polyethylene bailer. The samples were immediately placed in an ice-filled cooler, and submitted to the laboratory for analyses under appropriate chain-of-custody documentation. Water sampling data sheets are included in Appendix A.

### 2.2 Laboratory Analysis

Each groundwater sample was analyzed for:

- Total Petroleum Hydrocarbons as Gasoline (TPHG), analyzed in general accordance with U.S. Environmental Protection Agency (EPA) Method No. 8260B;
- Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), in general accordance with EPA Method No. 8260B; and
- Methyl Tertiary-Butyl Ether (MTBE), in general accordance with EPA Method No. 8260B.

North Coast Laboratories, Ltd., a state-certified analytical laboratory located in Arcata, California, completed the sample analysis.

### 2.3 Equipment Decontamination Procedures

All monitoring and sampling equipment was cleaned prior to being transported to the site. All smaller equipment was initially washed in a water solution containing Liquinox® cleaner, followed by a distilled water rinse, then by a second distilled water rinse. The groundwater samples were then collected using pre-cleaned, disposable bailers, and transferred into laboratory-supplied containers.

## 2.4 Investigation-Derived Waste Management

All rinse water used for decontaminating field-sampling equipment and the well purge water was temporarily stored on site in a 50-gallon plastic drum. The water was then transported to SHN's 1,000-gallon purge water storage tank located at 812 West Wabash Avenue in Eureka, California. Approximately 22 gallons of decontamination and purge water from the June 2, 2005, sampling event was tested and discharged, under permit, to the City of Eureka municipal sewer system. A discharge receipt is included in the Appendix A. A discharge receipt for the 24 gallons of water generated during first quarter 2005 monitoring event on March 8, 2005 is additionally included in Appendix A.

## 3.0 Groundwater Monitoring Results

### 3.1 Hydrogeology

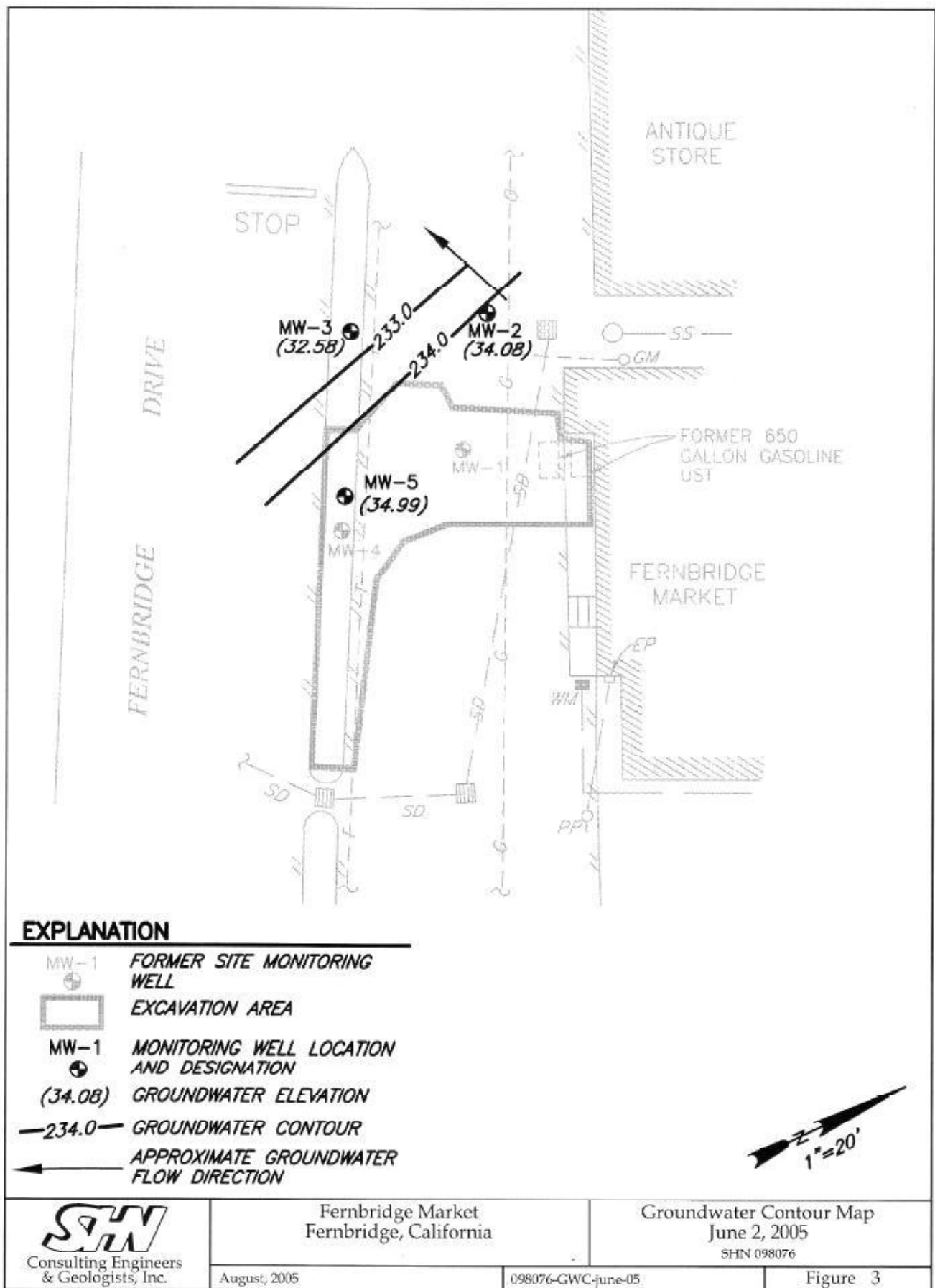
SHN measured depth-to-groundwater elevations in the existing monitoring wells during the second quarter 2004, monitoring event (Table 1).

Table 1 Groundwater Elevations, June 2, 2005 Fernbridge Market; Fernbridge, California			
Sample Location	Top of Casing Elevation <sup>1</sup> (feet)	Depth to Water <sup>2</sup> (feet)	Groundwater Elevation (feet MSL) <sup>3</sup>
MW-2	39.47	5.39	34.08
MW-3	39.75	7.17	32.58
MW-5	39.53	4.54	34.99
1. Referenced to North American Vertical Datum 88 Datum. 2. Below top of casing. 3. feet MSL: feet above Mean Sea Level			

On June 2, 2005, the groundwater flow beneath the Fernbridge Market site was to the southwest, toward the Eel River, with an approximate gradient of 0.125. A groundwater contour map for the June 2, 2005, monitoring event is presented as Figure 3. Historic groundwater elevations are presented in Appendix B, Table B-1.

### 3.2 Groundwater Analytical Results

The laboratory analytical results for the groundwater samples collected during the second quarter 2005, monitoring event are summarized in Table 2. TPHG was detected in the groundwater sample from well MW-5, at a concentration of 10,000 micrograms per Liter (ug/L). BTEX components were also detected in well MW-5 at concentrations of 1,500 ug/L, 400 ug/L, 330 ug/L, and 930 ug/L, respectively. Monitoring wells MW-2 and MW-3 contained no detectable concentrations of TPHG or BTEX.



MTBE was detected in the groundwater sample collected from well MW-2 at a concentration of 2.0 ug/L. MTBE was not detected in any other groundwater samples collected during this monitoring event. Historic analytical results are included in Appendix B, Table A-2. The laboratory analytical test and chain-of-custody documentation are included in Appendix C.

<b>Table 2</b> <b>Groundwater Analytical Results, June 2, 2005</b> <b>Fernbridge Market; Fernbridge, California</b> <b>(in ug/L)<sup>1</sup></b>						
<b>Sample Location</b>	<b>TPHG<sup>2</sup></b>	<b>Benzene<sup>3</sup></b>	<b>Toluene<sup>3</sup></b>	<b>Ethylbenzene<sup>3</sup></b>	<b>Total Xylenes<sup>3</sup></b>	<b>MTBE<sup>3</sup></b>
MW-2	<50	<0.5	<0.5	<0.5	<0.5	2.0
MW-3	<50	<0.5	<0.5	<0.5	<0.5	<1.0
MW-5	10,000	1,500	400	330	930	<2.0
1. ug/L: micrograms per Liter. 2. Total Petroleum Hydrocarbons as Gasoline (TPHG), analyzed in general accordance with EPA Method No. 8260B. 3. Benzene, Toluene, Ethylbenzene, total Xylenes, and Methyl Tertiary-Butyl Ether (MTBE), analyzed in general accordance with EPA Method No. 8260B. 4. The value includes the reported gasoline components and additives in addition to other peaks in the gasoline range. 5. <: Denotes a value that is "less than" the method detection limit.						

Petroleum concentrations identified in well MW-5 have decreased for all constituents except benzene when compared to results for the previous quarterly monitoring event (first quarter 2005).

### 3.3 Natural Attenuation Parameters

DO, DCO<sub>2</sub>, and ORP were measured in monitoring wells MW-2, MW-3, and MW-5, prior to sampling, and are summarized in Table 3.

<b>Table 3</b> <b>DO, DCO<sub>2</sub>, and ORP Measurement Results, June 2, 2005</b> <b>Fernbridge Market; Fernbridge, California</b>			
<b>Sample Location</b>	<b>DO<sup>1</sup> (ppm)<sup>2</sup></b>	<b>DCO<sub>2</sub><sup>3</sup> (ppm)</b>	<b>ORP<sup>4</sup> (mV)<sup>5</sup></b>
MW-2	0.86	40	87
MW-3	4.15	35	78
MW-5	4.85	80	121
1. DO: Dissolved Oxygen, field measured using portable instrumentation. 2. ppm: Measurement concentration, in parts per million. 3. DCO <sub>2</sub> : Dissolved Carbon Dioxide, field measured using a field test kit. 4. ORP: Oxidation-Reduction Potential measured using portable instrumentation. 5. mV: millivolts			

During the June 2, 2005, groundwater monitoring event, DO concentrations ranged from 0.86 parts per million (ppm) in well MW-2, to 4.85 ppm in well MW-5. These DO concentrations appear to be sufficient to support biodegradation. DCO<sub>2</sub> concentrations ranged from 35 ppm in well MW-3 to 80 ppm in well MW-5. The DCO<sub>2</sub> concentrations measured in the existing wells indicate that

biodegradation is occurring. ORP measurements for this quarter ranged from 78 millivolts (mV) in monitoring well MW-3, to 121 mV in monitoring well MW-5, indicating that mildly aerobic conditions exist at the Fernbridge Market site. Historical natural attenuation parameter measurements are presented in Appendix B, Table B-3.

## 4.0 Discussion and Recommendations

The following conclusions are based on the results of the second quarter 2005, groundwater monitoring event:

- elevated concentrations of TPHG and BTEX constituents were present in the groundwater sample collected from well MW-5 during the June 2, 2005 monitoring event;
- MTBE was detected in the groundwater sample collected from well MW-2 at a concentration of 2.0 ug/L;
- no detectable concentrations of TPHG or BTEX were present in the groundwater samples from wells MW-2 and MW-3 during the second quarter 2005 monitoring event; and
- groundwater flow at the site is to the southwest, with an approximate gradient of 0.125.

Groundwater monitoring well MW-5 is located within the gravel backfilled excavation area of the site. The elevated levels of petroleum constituents present in MW-5 are likely associated with the disturbance of contaminated soil during the excavation process (December 2004). This disturbance resulted in the desorption of petroleum hydrocarbons into the groundwater within the excavated area. The levels of petroleum hydrocarbons observed in this area have decreased when compared to results from the previous monitoring event (first quarter 2005) and are expected to continue to decrease over time as a result of biodegradation. The next groundwater monitoring event is scheduled for September 2005.

**Appendix A**

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**Field Notes**



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## DAILY FIELD REPORT

JOB NO 098076

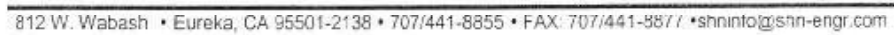
Page 1 of 7

PROJECT NAME <i>Feenbridge Market</i>	CLIENT/OWNER <i>Lindsay Investments</i>	DAILY FIELD REPORT SEQUENCE NO <i>1</i>	
GENERAL LOCATION OF WORK <i>Feenbridge, CA.</i>	OWNER/CLIENT REPRESENTATIVE <i>Dick Lindsay</i>	DATE <i>6-2-05</i>	DAY OF WEEK <i>Thursday</i>
TYPE OF WORK <i>Quarterly Sampling</i>	WEATHER <i>Partially clear</i>	PROJECT ENGINEER/SUPERVISOR <i>Pat Barsanti</i>	
SOURCE & DESCRIPTION OF FILL MATERIAL	KEY PERSONS CONTACTED	TECHNICIAN <i>David R. Paine</i>	

### DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING, & COMPACTING

0939 ARRIVED at site, removed lids and caps on 3 wells.  
 MW-2 and MW-5 had water in flush mount, bailed out.  
 1008 I started taking water level readings decoring the sounder after each well by scrubbing it with liguiner then rinsing it with DE water.  
 1029 I started taking DO readings.  
 1042 I started purging MW-5 with the peristaltic pump, purge water was caught in a graduated 5 gal. bucket, well went dry.  
 1104 I started purging MW-3 with a disposable bailer, purge water was caught in a graduated 5 gal. bucket, well went dry.  
 1135 I started purging MW-2 with a disposable bailer, purge water was caught in a graduated 5 gal. bucket, well went dry.  
 1250 I sampled MW-2, secured well with cap and lid.  
 1300 I sampled MW-3, secured well with cap and lid.  
 1315 I sampled MW-5 with a disposable bailer, secured well with cap and lid.  
 1340 OFF SITE

Note: All decorn water and purge water was caught in 5 gal. buck, with lids then transported to SHN's 1,000 gal. PWST located 812 W. Wabash Avenue Eureka, CA 22 gallons total.



Job No.:	098076	Name:	David R. Parry
Client:	DICK LINDSAY	Date:	6-2-05
Location:	FERNBRIDGE, CA	Weather:	Partially clear

[illegible]





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## EQUIPMENT CALIBRATION SHEET

Name: David R. Paine

Project Name: Fernbridge Market

Reference No.: 098076

Date: 6-2-05

Equipment: ☒ pH & EC ☐ PID ☐ GTCO<sub>2</sub> ☐ GTLEL  
☐ Turbidity ☒ Other Dissolved Oxygen Meter YSI95

Description of Calibration Procedure and Results:

pH & EC meter is calibrated using a 2 buffer  
method with 7.01 and 4.01, the EC (conductivity) is  
set at 1413  $\mu$ S.

DO meter is self calibrating with the  
Altimeter set at .



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## Water Sampling Data Sheet

Project Name:	<u>Fernbridge Market</u>	Date/Time:	<u>6-2-05</u>
Project No.:	<u>098076</u>	Sampler Name:	<u>David R. Paine</u>
Location:	<u>Fernbridge, CA</u>	Sample Type:	<u>Ground water</u>
Well #:	<u>mw-2</u>	Weather:	<u>Partially clear</u>
Hydrocarbon Thickness/Depth (feet):	<u>NH</u>	Key Needed:	<u>YES Dolphin</u>

Total Well Depth (feet)	-	Initial Depth to Water (feet)	=	Height of Water Column (feet)	x	0.163 gal/ft (2-inch well) / 0.653 gal/ft (4-inch well)	=	1 Casing Volume (gal)
<u>19.65</u>	-	<u>5.39</u>	=	<u>14.26</u>	x	<u>0.163</u>	=	<u>2.32</u>

Time	DO (ppm)	CO <sub>2</sub> (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
1039	<u>0.86</u>						<u>0</u> gal.	
1135	↓	<u>40</u>	<u>87</u>				<u>0.25</u> gal.	
1147	↓			<u>470</u>	<u>64.8°</u>	<u>6.25</u>	<u>2.50</u> gal.	
1152	No flow			<u>490</u>	<u>63.7°</u>	<u>6.40</u>	<u>5</u> gal.	
1157	then cell			<u>508</u>	<u>63.5°</u>	<u>6.44</u>	<u>7.50</u> gal.	
1203				<u>518</u>	<u>63.7°</u>	<u>6.57</u>	<u>10</u> gal.	
1211				<u>508</u>	<u>63.8°</u>	<u>6.62</u>	<u>11.25</u> gal.	<u>Dry</u>
1250	Sample Time							

Purge Method: Hand BailTotal Volume Removed: 11.75 (gal)

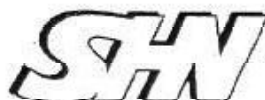
## Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
<u>mw-2</u>	<u>3 - 40ml VOA's</u>	<u>YES HCL</u>	<u>NCL</u>	<u>TPHC/BTEX/MTBC</u>

Well Condition: Good

Remarks:

Recharged to 10.61 at sampling time



## CONSULTING ENGINEERS &amp; GEOLOGISTS, INC.

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## Water Sampling Data Sheet

Project Name:	<u>Fernbridge Market</u>	Date/Time:	<u>6-2-05</u>
Project No.:	<u>098076</u>	Sampler Name:	<u>David R. Paine</u>
Location:	<u>Fernbridge, CA</u>	Sample Type:	<u>Ground water</u>
Well #:	<u>MW-3</u>	Weather:	<u>Partially clear</u>
Hydrocarbon Thickness/Depth (feet):	<u>NH</u>	Key Needed:	<u>YES Dolphin</u>

Total Well Depth (feet)	-	Initial Depth to Water (feet)	=	Height of Water Column (feet)	x	0.163 gal/ft (2-inch well) / 0.653 gal/ft (4-inch well)	=	1 Casing Volume (gal)
<u>20.05</u>	-	<u>7.17</u>	=	<u>12.88</u>	x	<u>0.163</u>	=	<u>2.10</u>

Time	DO (ppm)	CO <sub>2</sub> (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
1032	<u>4.15</u>						<u>0 gal</u>	
1104		<u>35</u>	<u>78</u>				<u>0.25 gal</u>	
1112	↓			<u>446</u>	<u>63.2°</u>	<u>6.26</u>	<u>2.25 gal</u>	
1123	<u>No Flow</u>			<u>450</u>	<u>62.6°</u>	<u>6.25</u>	<u>4.25 gal</u>	
1130	<u>then cell</u>			<u>439</u>	<u>62.4°</u>	<u>6.38</u>	<u>6.50 gal</u>	<u>Dry</u>
1218				<u>434</u>	<u>63.9°</u>	<u>6.46</u>	<u>7 gal</u>	<u>Dry</u>
1300	<u>Sample Time</u>							

Purge Method: Hand BailTotal Volume Removed: 7.00 (gal)

## Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
<u>MW-3</u>	<u>3 - 40ml vials</u>	<u>YES HCL</u>	<u>NCL</u>	<u>TPH6/BTEX/MTBE</u>

Well Condition: Good

Remarks:

Recharged to 17.91 at sampling time

## Water Sampling Data Sheet

Project Name:	Fernbridge Market	Date/Time:	6-2-05
Project No.:	098076	Sampler Name:	David R. Paine
Location:	Fernbridge, CA	Sample Type:	Ground water
Well #:	MW-5	Weather:	Partially clear
Hydrocarbon Thickness/Depth (feet):	NA	Key Needed:	YES Dolphin

Total Well Depth (feet)	-	Initial Depth to Water (feet)	=	Height of Water Column (feet)	x	0.163 gal/ft (2-inch well) / 0.653 gal/ft (4-inch well)	=	1 Casing Volum (gal)
14.80	-	4.54	=	10.26	x	0.045	=	0.46

Time	DO (ppm)	CO <sub>2</sub> (ppm)	ORP (mV)	EC (uS/cm)	Temp (°F)	pH	Water Removed (gal)	Comments
1049	4.85						0.10 gal.	
1044	↓	<del>60</del> 60	121				0.20 gal.	
1045	↓						0.25 gal.	Dry
1213	No Flow						0.25 gal.	Dry
1315	then cell			474	67.4°	6.38	0.40 gal.	
1315	sample time							

Purge Method: Peristaltic pump

Total Volume Removed: 0.40 (gal)

### Laboratory Information

Sample ID	# & Type of Containers	Preservative / Type	Laboratory	Analyses
MW-5	3 - 40ml UOH's	YES HCL	NCL	B260 list 4

Well Condition: Good

Remarks:

Recharged to 8.08 at sample time

Client Name: **FERNBRIDGE MARKET**

---

The water from your site: **623 FERNBRIDGE DRIVE**  
**FERNBRIDGE, CA LOP # 12345**

---

SHN ref # **098076**      Collected On: **6/2/05**

---

Has been tested and certified as acceptable to be discharged into the City of Eureka municipal sewer system.

---

Amount Discharged: **22 GALLONS**

---

Date Discharged: **7/21/05**

---

Certified by: **DAVID R. PAINE**

---

**SHN CONSULTING ENGINEERS & GEOLOGISTS, INC.**  
City of Eureka Wastewater Discharge Permit #65

---

Client Name: **FERNBRIDGE MARKET**

---

The water from your site: **623 FERNBRIDGE DRIVE**  
**FERNBRIDGE, CA LOP # 12345**

---

SHN ref # **098076** Collected On: **3/8/05**

---

---

Has been tested and certified as acceptable to be discharged into the City of Eureka municipal sewer system.

Amount Discharged: **24 GALLONS**

---

Date Discharged: **4/29/05**

---

Certified by: **DAVID R. PAINE**

---

**SHN CONSULTING ENGINEERS & GEOLOGISTS, INC.**  
City of Eureka Wastewater Discharge Permit #65



<p align="center"><b>Table B-1</b>  <b>Historic Groundwater Elevations</b>  <b>Fernbridge Market; Fernbridge, California</b></p>				
<b>Well ID</b>	<b>Date</b>	<b>Top of Casing Elevation (feet)<sup>1</sup></b>	<b>Depth to Water (feet)<sup>2</sup></b>	<b>Groundwater Elevation (feet)</b>
<b>MW-1</b>	<b>6/6/00</b>	<b>39.6</b>	<b>4.23</b>	<b>35.37</b>
	<b>9/18/00</b>		<b>4.69</b>	<b>34.91</b>
	<b>12/18/00</b>		<b>4.75</b>	<b>34.85</b>
	<b>3/2/01</b>		<b>4.57</b>	<b>35.03</b>
	<b>6/4/01</b>		<b>5.23</b>	<b>34.37</b>
	<b>9/5/01</b>		<b>4.65</b>	<b>34.95</b>
	<b>12/5/01</b>		<b>4.66</b>	<b>34.94</b>
	<b>3/5/02</b>		<b>4.43</b>	<b>35.17</b>
	<b>6/4/02</b>		<b>5.01</b>	<b>34.59</b>
	<b>9/5/02</b>		<b>5.56</b>	<b>34.04</b>
	<b>12/26/02</b>		<b>4.42</b>	<b>35.18</b>
	<b>3/7/03</b>		<b>4.42</b>	<b>35.18</b>
	<b>6/10/03</b>		<b>4.51</b>	<b>35.09</b>
	<b>11/20/03</b>		<b>4.58</b>	<b>35.02</b>
	<b>3/30/04</b>		<b>4.06</b>	<b>35.54</b>
	<b>Well Destroyed 10/16/04</b>			
<b>MW-2</b>	<b>6/6/00</b>	<b>39.47</b>	<b>4.52</b>	<b>34.95</b>
	<b>9/18/00</b>		<b>4.84</b>	<b>34.63</b>
	<b>12/18/00</b>		<b>4.97</b>	<b>34.5</b>
	<b>3/2/01</b>		<b>4.88</b>	<b>34.59</b>
	<b>6/4/01</b>		<b>5.26</b>	<b>34.21</b>
	<b>9/5/01</b>		<b>5.4</b>	<b>34.07</b>
	<b>12/5/01</b>		<b>5.47</b>	<b>34</b>
	<b>3/5/02</b>		<b>4.64</b>	<b>34.83</b>
	<b>6/4/02</b>		<b>5.11</b>	<b>34.36</b>
	<b>9/5/02</b>		<b>5.25</b>	<b>34.22</b>
	<b>12/26/02</b>		<b>4.47</b>	<b>35</b>
	<b>3/7/03</b>		<b>4.58</b>	<b>34.89</b>
	<b>6/10/03</b>		<b>5.12</b>	<b>34.35</b>
	<b>11/20/03</b>		<b>4.76</b>	<b>34.71</b>
	<b>3/30/04</b>		<b>4.6</b>	<b>34.87</b>
	<b>6/30/04</b>		<b>5.29</b>	<b>34.18</b>
	<b>3/8/05</b>		<b>4.28</b>	<b>35.19</b>
	<b>6/2/05</b>		<b>5.39</b>	<b>34.08</b>



Table B-1				
Historic Groundwater Elevations				
Fernbridge Market; Fernbridge, California				
Well ID	Date	Top of Casing Elevation (feet) <sup>1</sup>	Depth to Water (feet) <sup>2</sup>	Groundwater Elevation (feet)
MW-3	6/6/00	39.75	5.08	34.67
	9/18/00		5.46	34.29
	12/18/00		6.65	33.1
	3/2/01		6.89	32.86
	6/4/01		7.09	32.66
	9/5/01		7.13	32.62
	12/5/01		6.79	32.96
	3/5/02		6.96	32.79
	6/4/02		7.11	32.64
	9/5/02		7.14	32.61
	12/26/02		6.77	32.98
	3/7/03		7.03	32.72
	6/10/03		7.05	32.7
	11/20/03		6.77	32.98
	3/30/04		6.89	32.86
	6/30/04		6.98	32.77
	3/8/05		6.06	33.69
	6/2/05		7.17	32.58
MW-4	6/6/00	39.73	4.4	35.33
	9/18/00		5.87	33.86
	12/18/00		5.86	33.87
	3/2/01		5.53	34.2
	6/4/01		6.41	33.32
	9/5/01		6.09	33.64
	12/5/01		6.14	33.59
	3/5/02		5.68	34.05
	6/4/02		6.25	33.48
	9/5/02		6.05	33.68
	12/26/02		5.84	33.89
	3/7/03		5.74	33.99
	6/10/03		5.24	34.49
	11/20/03		5.33	34.4
	3/30/04		5.63	34.1
	6/30/04		5.16	34.57
	Well Destroyed 10/16/04			
	MW-5	3/8/05	39.53	4.15
6/2/05		4.54		34.99
1. Referenced to NAVD 88 Datum.				
2. Below top of casing.				

Table B-2 Historic Groundwater Analytical Data Fernbridge Market; Fernbridge, California (in ug/L) <sup>1</sup>									
Well ID	Date	TPHG <sup>2</sup>	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE <sup>3</sup>	TBA <sup>4</sup>	1,2-DCA <sup>5</sup>
MW-1	06/06/00	990	320	160	11	84	<1.0 <sup>6</sup>	180	140
	09/18/00	470	160	28	11	33	1.1	120	120
	12/18/00	470	150	36	14	43	1.1	71	120
	03/02/01	880	270	35	21	54	<2.5	99	110
	06/04/01	180	71	6.6	3.7	6.5	1.3	50	91
	09/05/01	420	180	31	14	24.5	1.6	160	NA <sup>7</sup>
	12/05/01	490	130	31	9.9	23.4	1.4	110	93
	03/05/02	230	160	9.2	6.4	8.4	1.3	82	85
	06/04/02	160	55	7.6	2.6	5.9	1.7	190	81
	09/05/02	120	43	4.9	2.7	1.4	1.4	110	58
	12/26/02	620	250	20	12	18.5	<2.0	130	100
	03/07/03	240	89	1.4	1.1	0.75	<1.0	170	74
	06/10/03	500	260	8.9	3.1	5	1.3	170	<2.0
	11/20/03	400	180	50	9.4	22.2	<3.0	NA	NA
03/30/04	1,100	330	8	3.5	5.3	<4.0	NA	NA	
06/30/04	520	210	8.3	2.8	4.9	1.7	NA	NA	
Well Destroyed 10/16/04									
MW-2	06/06/00	<50	<0.50	<0.50	<0.50	<0.50	3.3	<10	<1.0
	09/18/00	<50	<0.50	<0.50	<0.50	<0.50	4.1	<10	<1.0
	12/18/00	<100	<0.50	<0.50	<0.50	<0.50	5.1	<20	<1.0
	03/02/01	<50	<0.50	<0.50	<0.50	<0.50	3.7	<10	<1.0
	06/04/01	<50	<0.50	<0.50	<0.50	<0.50	4.5	<10	<1.0
	09/05/01	<50	<0.50	<0.50	<0.50	<0.50	3.6	<5.0	NA
	12/05/01	<50	<0.50	<0.50	<0.50	<0.50	4.1	<5.0	<1.0
	03/05/02	<50	<0.50	<0.50	<0.50	<0.50	2.5	<5.0	<1.0
	06/04/02	<50	<0.50	<0.50	<0.50	<0.50	3.3	<5.0	<1.0
09/05/02	<50	<0.50	<0.50	<0.50	<0.50	2.8	<5.0	<1.0	

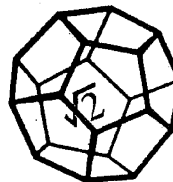
<p><b>Table B-2</b>  <b>Historic Groundwater Analytical Data</b>  <b>Fernbridge Market; Fernbridge, California</b>  <b>(in ug/L)<sup>1</sup></b></p>									
Well ID	Date	TPHG <sup>2</sup>	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE <sup>3</sup>	TBA <sup>4</sup>	1,2-DCA <sup>5</sup>
MW-2 Cont'd	12/26/02	<50	<0.50	<0.50	<0.50	<0.50	2.9	<5.0	<1.0
	03/07/03	<50	<0.50	<0.50	<0.50	2.7	1.7	<5.0	<1.0
	06/10/03	<50	<0.50	<0.50	<0.50	<0.50	1.3	<5.0	<1.0
	11/20/03	<50	<0.50	<0.50	<0.50	<0.50	3.2	NA	NA
	03/30/04	<50	<0.50	<0.50	<0.50	<0.50	2.8	NA	NA
	06/30/04	<50	<0.50	<0.50	<0.50	<0.50	2.7	NA	NA
	03/08/05	<50	<0.50	<0.50	<0.50	<0.50	1.8	NA	NA
	06/02/05	<50	<0.50	<0.50	<0.50	<0.50	2.0	NA	NA
MW-3	06/06/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	12	1.4
	09/18/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0
	12/18/00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0
	03/02/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0
	06/04/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0
	09/05/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA
	12/05/01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0
	03/05/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0
	06/04/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0
	09/05/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0
	12/26/02	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0
	03/07/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0
	06/10/03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0
	11/20/03	<50	<0.50	<0.50	<0.50	<0.50	<3.0	NA	NA
	03/30/04	53	<0.50	0.53	<0.50	0.94	<3.0	NA	NA
	06/30/04	<50	<0.50	<0.50	<0.50	<0.50	<1.0	NA	NA
	03/08/05	<50	<0.50	<0.50	<0.50	<0.50	<1.0	NA	NA
	06/02/05	<50	<0.50	<0.50	<0.50	<0.50	<1.0	NA	NA

<p align="center"><b>Table B-2</b>  <b>Historic Groundwater Analytical Data</b>  <b>Fernbridge Market; Fernbridge, California</b>  <b>(in ug/L)<sup>1</sup></b></p>									
Well ID	Date	TPHG <sup>2</sup>	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE <sup>3</sup>	TBA <sup>4</sup>	1,2-DCA <sup>5</sup>
MW-4	06/06/00	<500	<2.0	59	<2.0	<2.0	<2.0	<100	<2.0
	09/18/00	<1,000	<4.0	230	<4.0	<4.0	<4.0	<200	<10
	12/18/00	260	1.2	94	<1.0	1.1	<1.0	<50	<2.5
	03/02/01	260	0.96	45	<0.50	0.81	<0.50	<10	<1.0
	06/04/01	<250	<1.3	130	<1.3	<1.3	<0.50	<50	<2.5
	09/05/01	<50	<0.50	200	<0.50	<0.50	<0.50	<5.0	NA
	12/05/01	940	<2.5	350	<2.5	3	<2.5	<50	<5.0
	03/05/02	230	2	150	<1.0	1.4	<1.0	<20	<2.0
	06/04/02	340	16	160	1.5	2.9	<1.0	<20	8.3
	09/05/02	<500	94	20	8.4	<2.5	<2.5	<50	<5.0
	12/26/02	230	17	85	<1.0	1.2	<1.0	<20	<2.0
	03/07/03	<200	7.1	13	<1.0	1.9	<1.0	<20	<2.0
	06/10/03	<1,000	15	7.8	<1.0	<5.0	<5.0	<100	<10
	11/20/03	93	3.1	19	0.53	1.88	<3.0	NA	NA
	03/30/04	600	<25	61	<25	<25	<50	NA	NA
	06/30/04	96	1.7	20	<0.50	0.69	<1.0	NA	NA
Well Destroyed 10/16/04									
MW-5	03/08/05	16,000	1,400	1,200	520	1,740	<3.0	NA	NA
	06/02/05	10,000	1,500	400	330	930	<2.0	NA	NA
1. ug/L; micrograms per Liter 2. TPHG: Total Petroleum Hydrocarbons as Gasoline. 3. MTBE: Methyl Tertiary-Butyl Ether 4. TBA: Tertiary-Butyl Alcohol 5. 1,2-DCA: 1,2 Dichloroethane 6. <: Denotes a value that is "less than" the method detection limit. 7. NA: Not Analyzed									

<p align="center"><b>Table B-3</b>  <b>Historic DO, DCO<sub>2</sub>, and ORP Measurement Results</b>  <b>Fernbridge Market; Fernbridge, California</b></p>				
<b>Well ID</b>	<b>Date</b>	<b>DO<sup>1</sup> (ppm)<sup>2</sup></b>	<b>DCO<sub>2</sub><sup>3</sup> (ppm)</b>	<b>ORP<sup>5</sup> (mV)<sup>6</sup></b>
<b>MW-1</b>	9/18/2000	0.63	120	45
	12/18/2000	0.78	60	94
	3/2/2001	0.4	90	93
	6/4/2001	0.09	70	183
	9/5/2001	0.13	60	72
	12/5/2001	0.3	70	161
	3/5/2002	0.23	60	81
	6/4/2002	0.37	120	215
	9/5/2002	0.3	120	234
	12/26/2002	0.48	50	125
	3/7/2003	1.3	95	246
	6/10/2003	0.39	65	234
	11/20/2003	0.61	80	265
	3/30/2004	0.6	140	280
	6/30/2004	0.53	90	39
	9/18/2000	0.6	120	110
	<b>Well Destroyed 10/16/04</b>			
<b>MW-2</b>	12/18/2000	0.75	80	95
	3/2/2001	0.83	80	62
	6/4/2001	0.12	80	159
	9/5/2001	0.14	80	161
	12/5/2001	0.21	70	213
	3/5/2002	1.11	70	68
	6/4/2002	0.38	70	208
	9/5/2002	0.31	85	223
	12/26/2002	0.53	80	145
	3/7/2003	3.05	90	240
	6/10/2003	0.4	50	224
	11/20/2003	0.7	50	259
	3/30/2004	0.72	70	290
	6/30/2004	0.56	60	118
	3/8/2005	1.31	100	82
	6/2/2005	0.86	40	87
<b>MW-3</b>	12/18/2000	1.86	100	75
	3/2/2001	3.53	80	54
	6/4/2001	2.2	80	152
	9/5/2001	1.81	100	164
	12/5/2001	3.76	50	56
	3/5/2002	3.85	70	37
	6/4/2002	1.95	60	200

<p align="center"><b>Table B-3</b>  <b>Historic DO, DCO<sub>2</sub>, and ORP Measurement Results</b>  <b>Fernbridge Market; Fernbridge, California</b></p>				
<b>Well ID</b>	<b>Date</b>	<b>DO<sup>1</sup> (ppm)<sup>2</sup></b>	<b>DCO<sub>2</sub><sup>3</sup> (ppm)</b>	<b>ORP<sup>5</sup> (mV)<sup>6</sup></b>
<b>MW-3 Cont'd</b>	9/5/2002	4.11	80	207
	12/26/2002	4.27	60	198
	3/7/2003	5.69	60	219
	6/10/2003	2.71	60	213
	11/20/2003	4.23	70	265
	3/30/2004	3.28	80	297
	6/30/2004	1.4	60	122
	3/8/2005	1.76	80	26
	6/2/2005	4.15	35	75
<b>MW-4</b>	12/18/2000	0.7	200	42
	3/2/2001	0.6	250	65
	6/4/2001	0.16	200	117
	9/5/2001	0.14	240	118
	12/5/2001	0.16	210	134
	3/5/2002	0.29	220	64
	6/4/2002	0.32	220	174
	9/5/2002	0.25	220	210
	12/26/2002	0.45	180	145
	3/7/2003	0.52	130	244
	6/10/2003	0.31	70	251
	11/20/2003	0.58	190	240
	3/30/2004	0.97	140	283
	6/30/2004	0.54	140	-102
	<b>Well Destroyed 10/16/04</b>			
<b>MW-5</b>	3/8/2005	2.75	100	65
	6/2/2005	4.85	80	121
<p>1. DO: Dissolved Oxygen, field measured using portable instrumentation  2. ppm: Measured concentration, in parts per million  3. DCO<sub>2</sub>: Dissolved Carbon Dioxide, field measured using a field test kit  4. ORP: Oxidation-Reduction Potential measured using portable instrumentation  5. mV: millivolts</p>				





**NORTH COAST  
LABORATORIES LTD.**

Junc 09, 2005

Pvt. cust. paying on pickup

Order No.: 0506065

Invoice No.: 50638

PO No.:

ELAP No. 1247-Expires July 2006

Attn: Dick Lindsay-Lindsay Investments

RE: 098076, Fernbridge Market

**SAMPLE IDENTIFICATION**

Fraction Client Sample Description

01A	MW-2
02A	MW-3
03A	MW-5

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

All solid results are expressed on a wet-weight basis unless otherwise noted.

**REPORT CERTIFIED BY**

Laboratory Supervisor(s)

QA Unit

Jesse G. Chaney, Jr.  
Laboratory Director



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**North Coast Laboratories, Ltd.****Date:** 09-Jun-05

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**CLIENT:** Pvt. cust. paying on pickup  
**Project:** 098076, Fernbridge Market  
**Lab Order:** 0506065**CASE NARRATIVE**

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**Gasoline Components/Additives:**

Sample MW-5 appears to be similar to gasoline but certain peak ratios are not that of a fresh gasoline standard. The reported result represents the amount of material in the gasoline range.

The MTBE reporting limit was raised for sample MW-5 due to matrix interference.

Date: 09-Jun-05

WorkOrder: 0506065

## ANALYTICAL REPORT

Client Sample ID: MW-2

Received: 6/3/05

Collected: 6/2/05 12:50

Lab ID: 0506065-01A

Test Name: Gasoline Components/Additives

Reference: LUFT/EPA 8260B Modified

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
Methyl tert-butyl ether (MTBE)	2.0	1.0	µg/L	1.0		6/3/05
Benzene	ND	0.50	µg/L	1.0		6/3/05
Toluene	ND	0.50	µg/L	1.0		6/3/05
Ethylbenzene	ND	0.50	µg/L	1.0		6/3/05
m,p-Xylene	ND	0.50	µg/L	1.0		6/3/05
o-Xylene	ND	0.50	µg/L	1.0		6/3/05
Surrogate: 1,4-Dichlorobenzene-d4	88.8	80.8-139	% Rec	1.0		6/3/05

Test Name: TPH as Gasoline

Reference: LUFT/EPA 8260B Modified

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
TPHC Gasoline	ND	50	µg/L	1.0		6/3/05

Client Sample ID: MW-3

Received: 6/3/05

Collected: 6/2/05 13:00

Lab ID: 0506065-02A

Test Name: Gasoline Components/Additives

Reference: LUFT/EPA 8260B Modified

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1.0		6/3/05
Benzene	ND	0.50	µg/L	1.0		6/3/05
Toluene	ND	0.50	µg/L	1.0		6/3/05
Ethylbenzene	ND	0.50	µg/L	1.0		6/3/05
m,p-Xylene	ND	0.50	µg/L	1.0		6/3/05
o-Xylene	ND	0.50	µg/L	1.0		6/3/05
Surrogate: 1,4-Dichlorobenzene-d4	88.9	80.8-139	% Rec	1.0		6/3/05

Test Name: TPH as Gasoline

Reference: LUFT/EPA 8260B Modified

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
TPHC Gasoline	ND	50	µg/L	1.0		6/3/05

Date: 09-Jun-05

WorkOrder: 0506065

## ANALYTICAL REPORT

Client Sample ID: MW-5

Received: 6/3/05

Collected: 6/2/05 13:15

Lab ID: 0506065-03A

Test Name: Gasoline Components/Additives

Reference: LUFT/EPA 8260B Modified

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
Methyl tert-butyl ether (MTBE)	ND	2.0	µg/L	1.0		6/4/05
Benzene	1,500	25	µg/L	50		6/4/05
Toluene	400	25	µg/L	50		6/4/05
Ethylbenzene	330	25	µg/L	50		6/4/05
m,p-Xylene	500	25	µg/L	50		6/4/05
o-Xylene	430	25	µg/L	50		6/4/05
Surrogate: 1,4-Dichlorobenzene-d4	101	80.8-139	% Rec	1.0		6/4/05

Test Name: TPH as Gasoline

Reference: LUFT/EPA 8260B Modified

<u>Parameter</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>DF</u>	<u>Extracted</u>	<u>Analyzed</u>
TPHC Gasoline	10,000	2,500	µg/L	50		6/4/05

## North Coast Laboratories, Ltd.

Date: 09-Jun-05

**CLIENT:** Pvt. cust. paying on pickup  
**Work Order:** 0506065  
**Project:** 098076, Fernbridge Market

**QC SUMMARY REPORT**

Method Blank

Sample ID: MB-6/3/05		Batch ID: R35230		Test Code: 8260OXYW		Units: µg/L		Analysis Date: 6/3/05 7:18:00 AM			Prep Date:	
Client ID:				Run ID: ORGCMS3_050603B				SeqNo: 509115				
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Methyl tert-butyl ether (MTBE)	ND	1.0										
Benzene	ND	0.50										
Toluene	ND	0.50										
Ethylbenzene	0.1298	0.50									J	
m,p-Xylene	0.2306	0.50									J	
o-Xylene	0.1213	0.50									J	
1,4-Dichlorobenzene-44	0.892	0.10	1.00	0	89.2%	81	139	0				
Sample ID: MB-6/3/05		Batch ID: R35229		Test Code: GASW-MS		Units: µg/L		Analysis Date: 6/3/05 7:18:00 AM			Prep Date:	
Client ID:				Run ID: ORGCMS3_050603A				SeqNo: 509100				
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
TPHC Gasoline	34.17	50									J	

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank

# North Coast Laboratories, Ltd.

Date: 09-Jun-05

## QC SUMMARY REPORT

Laboratory Control Spike

**CLIENT:** Pvt. cust. paying on pickup  
**Work Order:** 0506065  
**Project:** 098076, Fernbridge Market

Sample ID: LCS-05367	Batch ID: R35230	Test Code: 8260OXYW	Units: µg/L	Analysis Date: 6/3/05 3:54:00 AM	Prep Date:						
Client ID:		Run ID: ORGCM33_050603B		SeqNo: 509112							
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	19.82	1.0	20.0	0	99.1%	80	120	0			
Benzene	19.42	0.50	20.0	0	97.1%	78	117	0			
Toluene	19.63	0.50	20.0	0	98.1%	80	120	0			
Ethylbenzene	19.42	0.50	20.0	0	97.1%	80	120	0			
m,p-Xylene	39.05	0.50	40.0	0	97.6%	80	120	0			
o-Xylene	20.31	0.50	20.0	0	102%	80	120	0			
1,4-Dichlorobenzene-d4	1.00	0.10	1.00	0	100%	81	139	0			

Sample ID: LCSD-05387		Batch ID: R35230		Test Code: 8260OXYW		Units: µg/L		Analysis Date: 6/3/05 4:20:00 AM		Prep Date:	
Client ID:				Run ID: ORGCMS3_050603B				SeqNo: 509113			
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	19.63	1.0	20.0	0	98.1%	80	120	19.8	0.987%	20	
Benzene	19.28	0.50	20.0	0	96.4%	78	117	19.4	0.763%	20	
Toluene	19.56	0.50	20.0	0	97.8%	80	120	19.6	0.337%	20	
Ethylbenzene	19.46	0.50	20.0	0	97.3%	80	120	19.4	0.232%	20	
m,p-Xylene	38.64	0.50	40.0	0	96.6%	80	120	39.0	1.05%	20	
o-Xylene	20.12	0.50	20.0	0	101%	80	120	20.3	0.897%	20	
1,4-Dichlorobenzene-d4	1.00	0.10	1.00	0	100%	81	139	1.00	0.105%	20	

Sample ID: LCS-05368	Batch ID: R35229	Test Code: GASW-MS	Units: µg/L	Analysis Date: 6/3/05 5:36:00 AM	Prep Date:						
Client ID:		Run ID: ORGCMS3_050603A		SeqNo: 509097							
Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPHC Gasoline	985.4	50	1,000	0	98.5%	80	120	0			

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank

**QC SUMMARY REPORT**  
Laboratory Control Spike Duplicate

**CLIENT:** Pvt. cust. paying on pickup  
**Work Order:** 0506065  
**Project:** 098076, Fernbridge Market

**Sample ID:** LCSD-05368    **Batch ID:** R35229    **Test Code:** GASW-MS    **Units:** µg/L    **Analysis Date:** 6/3/05 6:02:00 AM    **Prep Date:**  
**Client ID:**    **Run ID:** ORGCM3\_050603A    **SeqNo:** 509098  
**Analyte**    **Result**    **Limit**    **SPK value**    **SPK Ref Val**    **% Rec**    **LowLimit**    **HighLimit**    **RPD Ref Val**    **%RPD**    **RPDLimit**    **Qual**

TPHC Gasoline    981.1    50    1,000    0    98.1%    80    120    985    0.440%    20

**Qualifiers:**    ND - Not Detected at the Reporting Limit    S - Spike Recovery outside accepted recovery limits    B - Analyte detected in the associated Method Blank  
J - Analyte detected below quantitation limits    R - RPD outside accepted recovery limits



5680 West End Road • Arcata • CA 95521-9202  
707-822-4649 Fax 707-822-6831

# Chain of Custody

P. of

**LABORATORY NUMBER:**

5989050

Attention: Dick Lindsay  
Results & Invoice to: Lindsay Investments  
Address: P.O. Box 974  
Feenbridge, CA 95536-0914  
Phone: 706-4556  
Copies of Report to: SHN Erik Nilsson  
812 W. Wabash Ave. Emery, CA 95521-2138  
Sampler (Sign & Print): David R. Kaim David R. Kaim

## PROJECT INFORMATION

Project Number: 098076  
Project Name: Feenbridge Market  
Purchase Order Number:

[illegible][illegible]

**REPORTING REQUIREMENTS:** State Forms ☐

Preliminary: FAX ☐ Verbal ☐ By:        /        /       

Final Report: FAX ☐ Verbal ☐ By:        /        /       

**CONTAINER CODES:** 1— $\frac{1}{2}$  gal. pl; 2—250 ml pl; 3—500 ml pl; 4—1 L Nalgene; 5—250 ml BG; 6—500 ml BG; 7—1 L BG; 8—1 L cg; 9—40 ml VOA; 10—125 ml VOA; 11—4 oz glass jar; 12—8 oz glass jar; 13—brass tube; 14—other

**PRESERVATIVE CODES:** a—HNO<sub>3</sub>; b—HCl; c—H<sub>2</sub>SO<sub>4</sub>;  
d—Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>; e—NaOH; f—C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>Cl; g—other

## SAMPLE CONDITION/SPECIAL INSTRUCTIONS

FD

3/6/91 FD#T0602300263

Cooler Temp =  $6.0^{\circ}\text{C}$ 

## SAMPLE DISPOSAL

☒ NCL Disposal of Non-Contaminated  
☐ Return ☐ Pickup

CHAIN OF CUSTODY SEALS Y/N/NA ☐ ☐ ☐

SHIPPED VIA: UPS Air-Ex Fed-Ex Bus Hand

\***MATRIX:** DW=Drinking Water; Eff=Effluent; Inf=Influent; SW=Surface Water; GW=Ground Water; S=Soil; O=Other.

**ALL CONTAMINATED NON-AQUEOUS SAMPLES WILL BE RETURNED TO CLIENT**